



## Integration of Hostile Action-Based Events into Emergency Preparedness Programs

### BACKGROUND

- September 11, 2001, changed the threat environment for nuclear power plant emergency preparedness.
- Security events differ from operational events due to the planned hostile action to maximize damage and loss of life.
- Emergency response to hostile action-based events introduced new and different challenges.
- Radiological consequences are the same for operational and hostile action events.

### REGULATION

- Hostile action-based event emergency classifications.
- Prompt notification of regulator and emergency responders.
- Incident command and alternative emergency response facilities.
- Coordination between Security, Law Enforcement, and Emergency Responders.
- Protection of power plant personnel.
- Hostile action-based full-scale exercises.

### RESULTS

NRC licensees successfully integrated the hostile action-based exercise requirements into their programs, which has improved the coordination, communication, and cooperation of security, law enforcement, and emergency responders. The NRC staff is now working jointly with Federal Emergency Management Agency to gather lessons learned from this first cycle of hostile action-based exercises. The lessons learned will be used to enhance the exercise learning and performance by identifying areas that were implemented well and areas that may need to be improved such as:

- The use of actual security personnel vs simulated, made exercise demonstrations more realistic and improved learning.
- Using NRC Headquarters Operations Officers in aircraft attack scenario development and in exercise participation improved realism and learning.
- Do the expected security interface actions match well with the existing security regulatory requirements or are there gaps?

